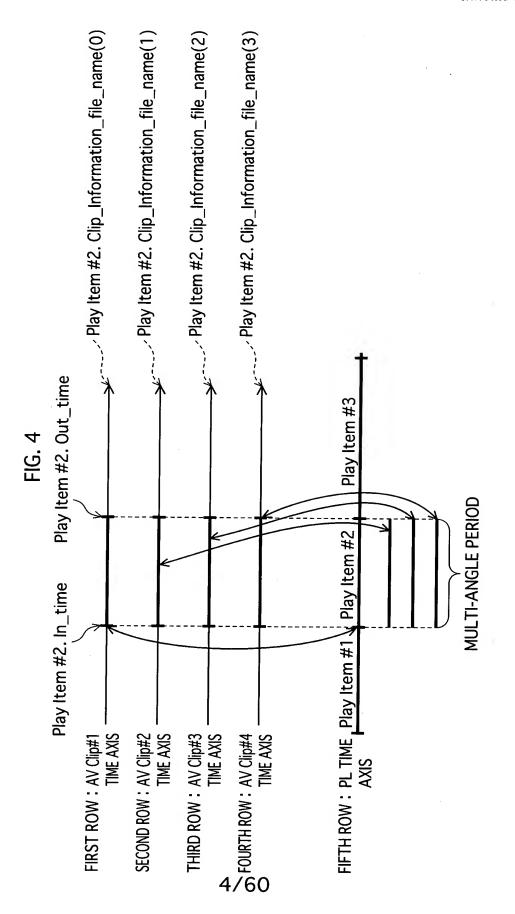
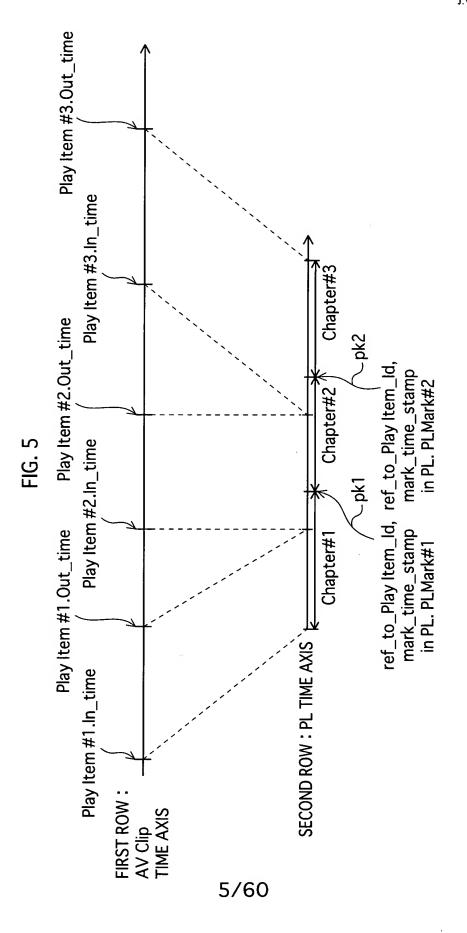


FIG. 3





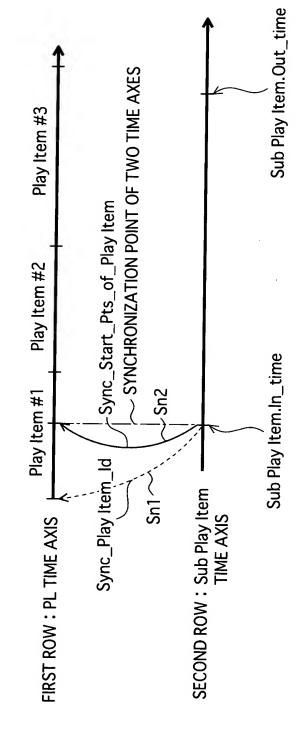


FIG. 6

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FIG. 7A

ZZZZZ.BDMV

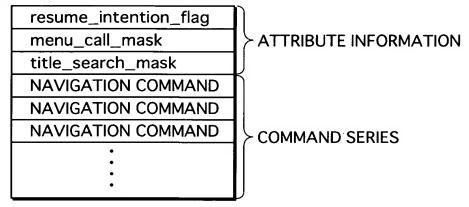
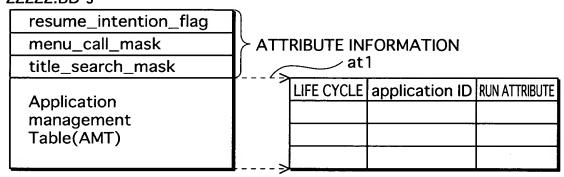
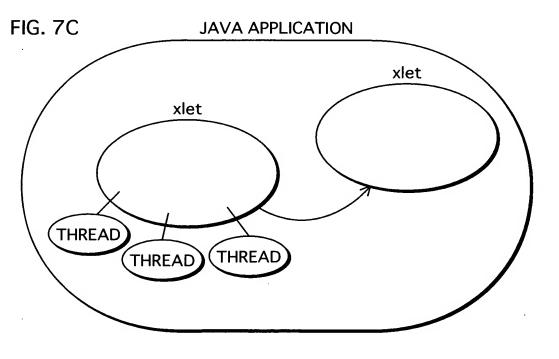
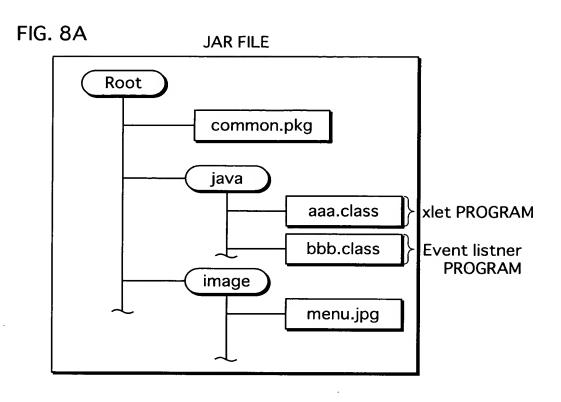


FIG. 7B ZZZZZ.BD-J

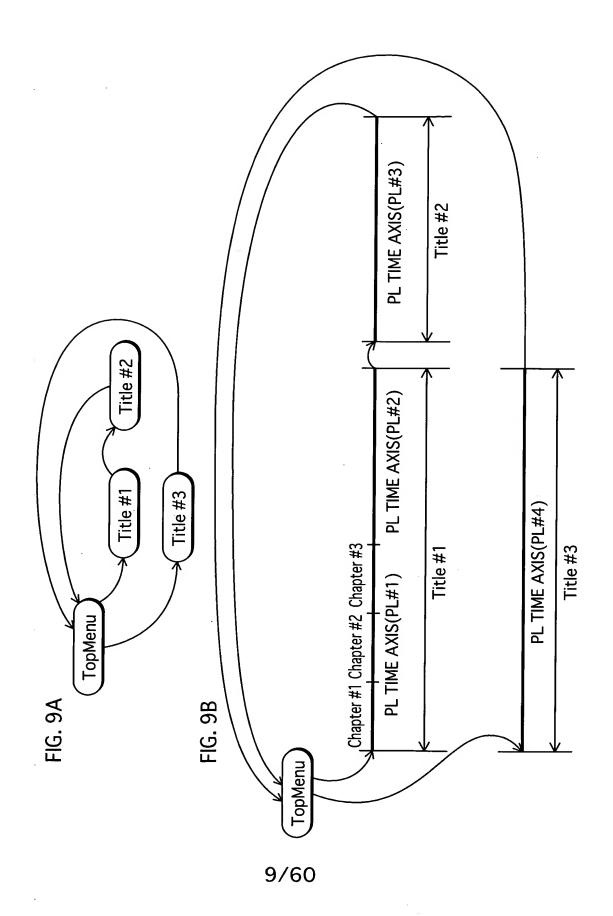


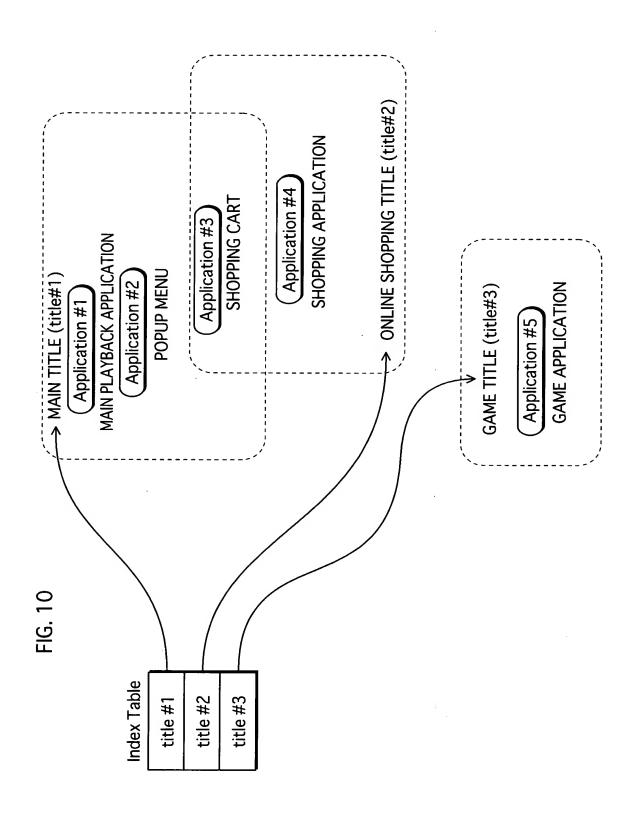


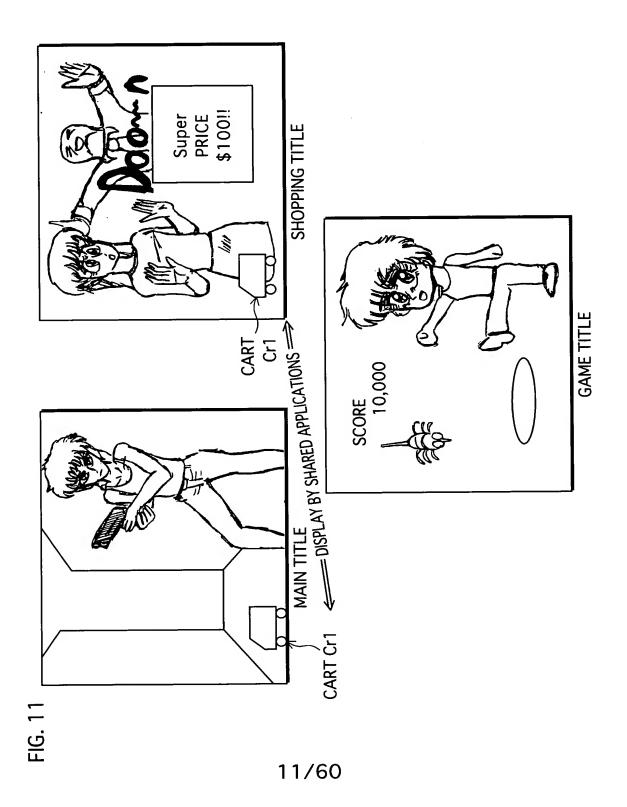


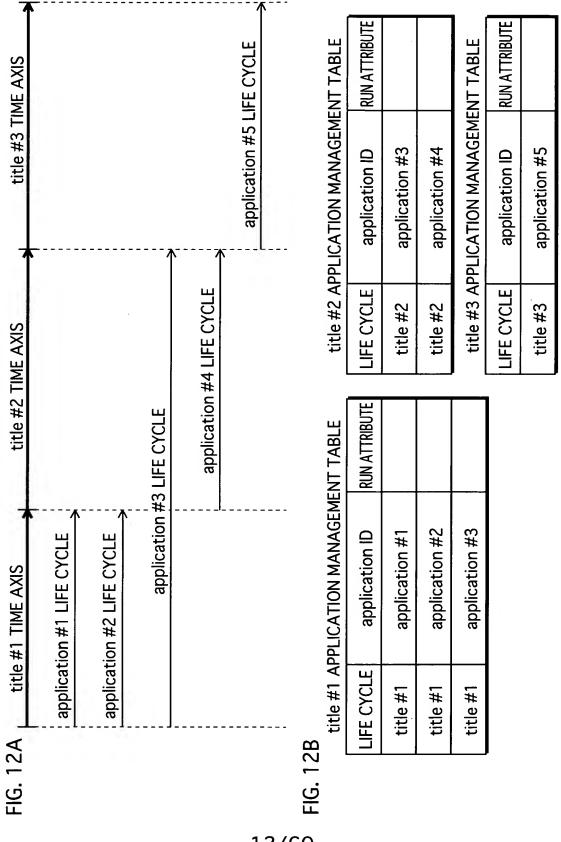
JMF A "BD://00001.mpls";
A.play();
Jump Title(Title #1);

TITLE BRANCH

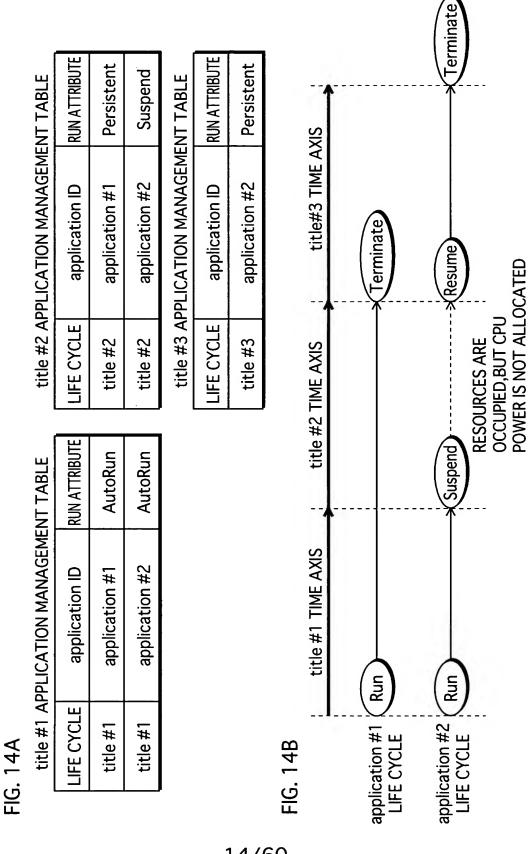








title #2 TIME AXIS **RUN ATTRIBUTE RUN ATTRIBUTE** Persistent **Persistent** AutoRun AutoRun **Terminate Ferminate** title #1 APPLICATION MANAGEMENT TABLE title #2 APPLICATION MANAGEMENT TABLE application #2 application #3 application ID application ID application #3 application #1 application #1 LIFE CYCLE application #2 LIFE CYCLE application #3 LIFE CYCLE title #1 TIME AXIS LIFE CYCLE LIFE CYCLE title #2 title#1 title#1 title#1 Run Call FIG. 13A FIG. 13B Run Run

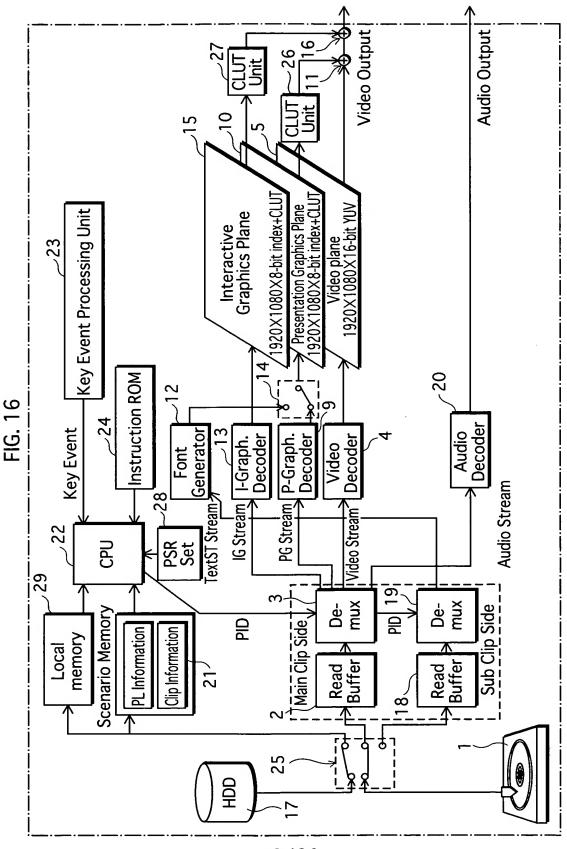


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FIG. 15

CHANGE IN APPLICATION STATUS ACCORDING TO RUN ATTRIBUTES

			Run Attribute	
		Persistent	AutoRun	Suspend
	Not Run	Maintain status without performing operation	Run Application	Maintain status without performing operation
Application Status in Previous Title	Running	Maintain status without Maintain status withou performing operation	==	Suspend
	Suspend	Resume	Resume	Maintain status without performing operation



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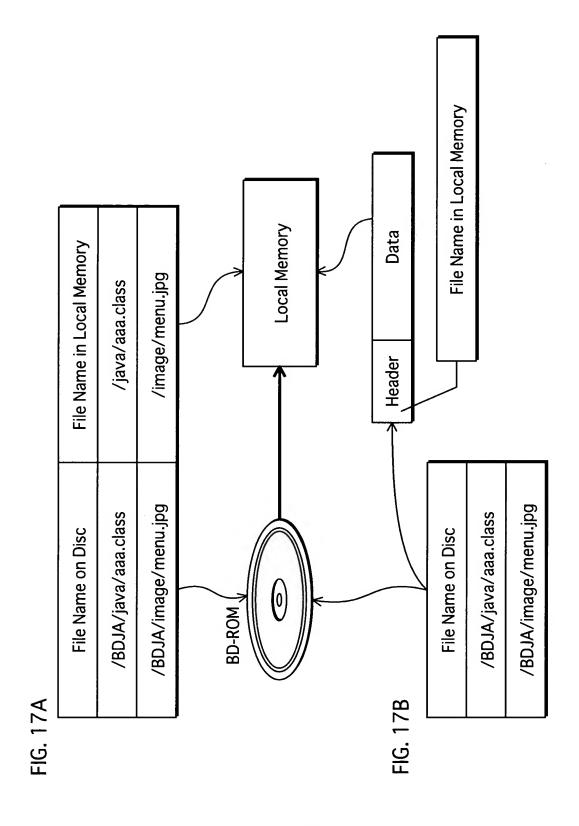


FIG. 18

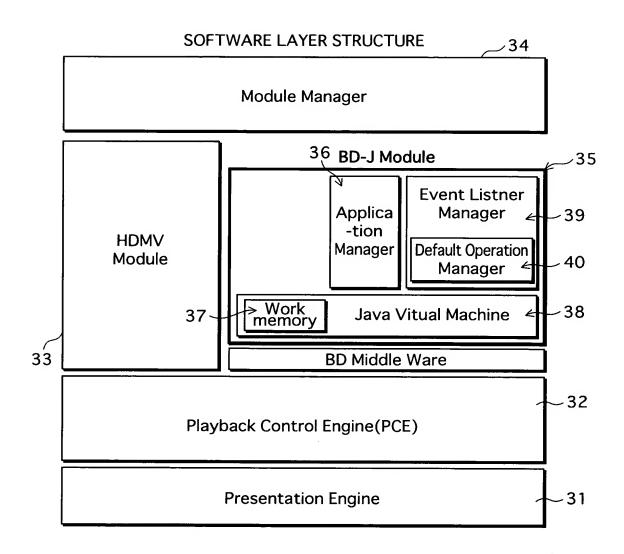
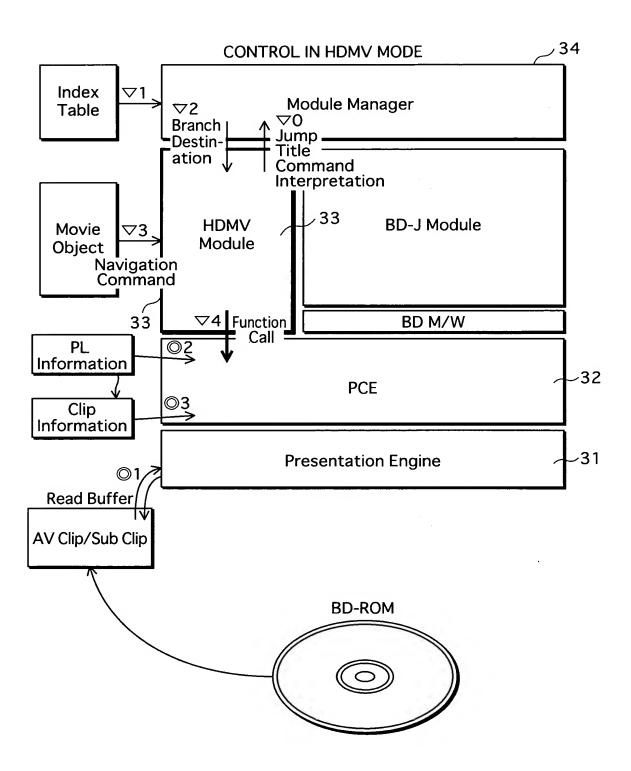
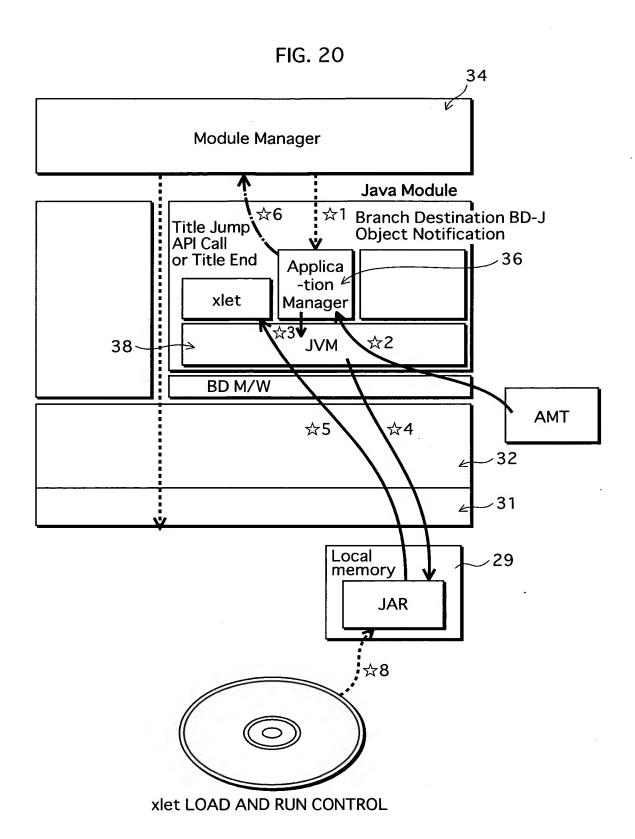
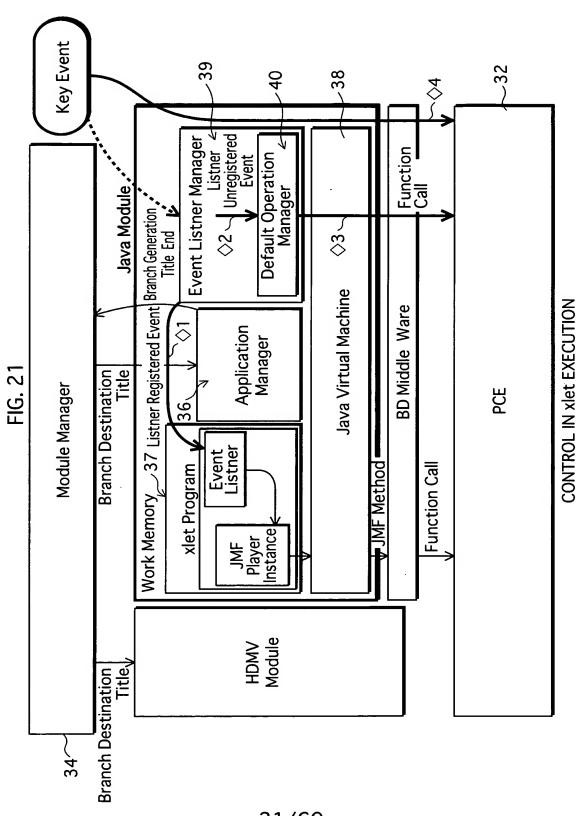


FIG. 19





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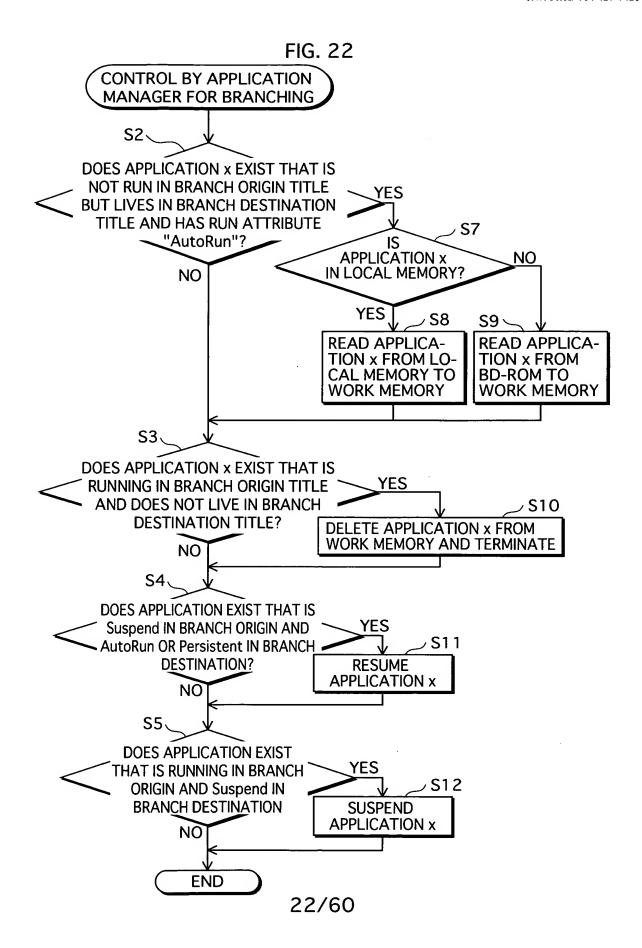
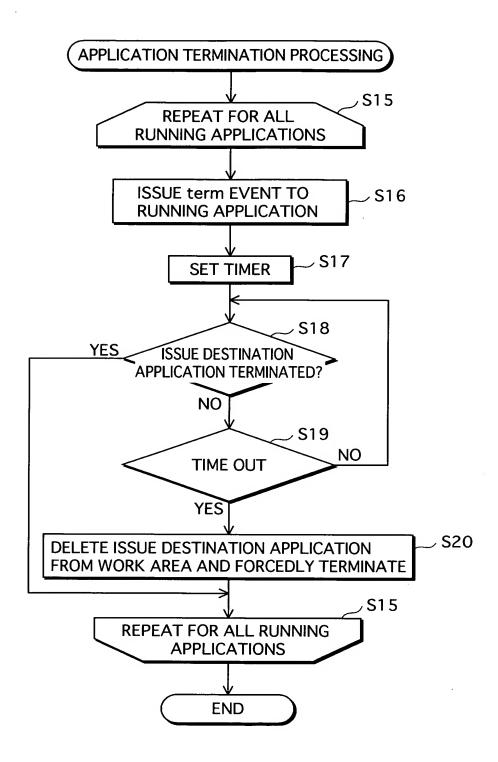
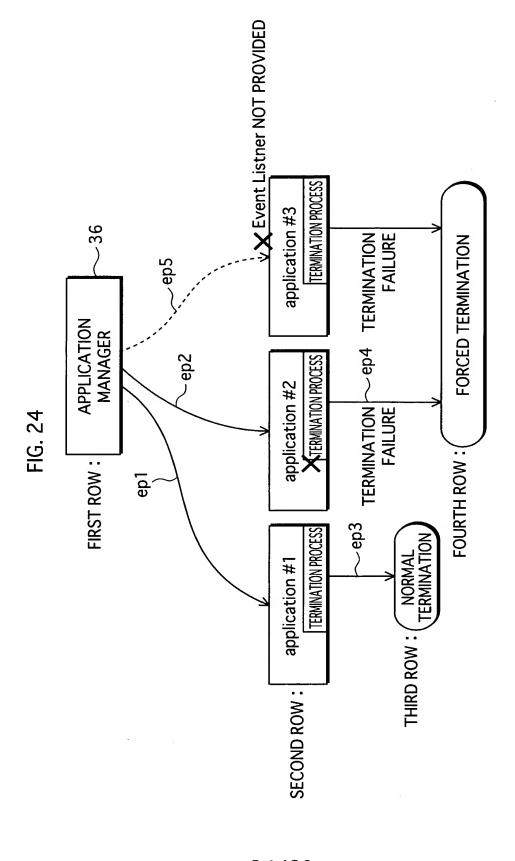


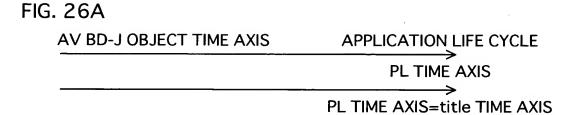
FIG. 23

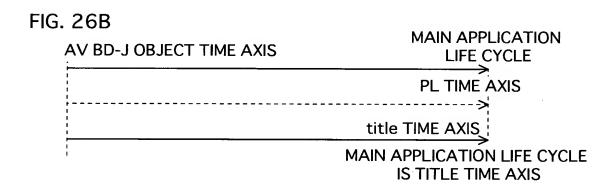


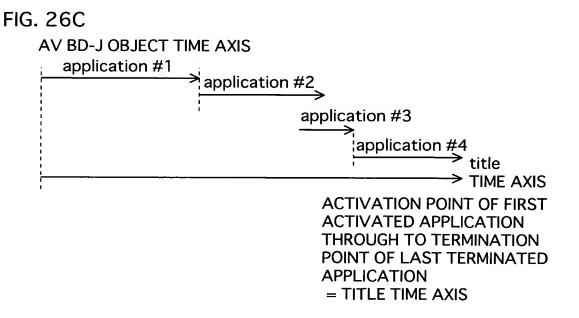


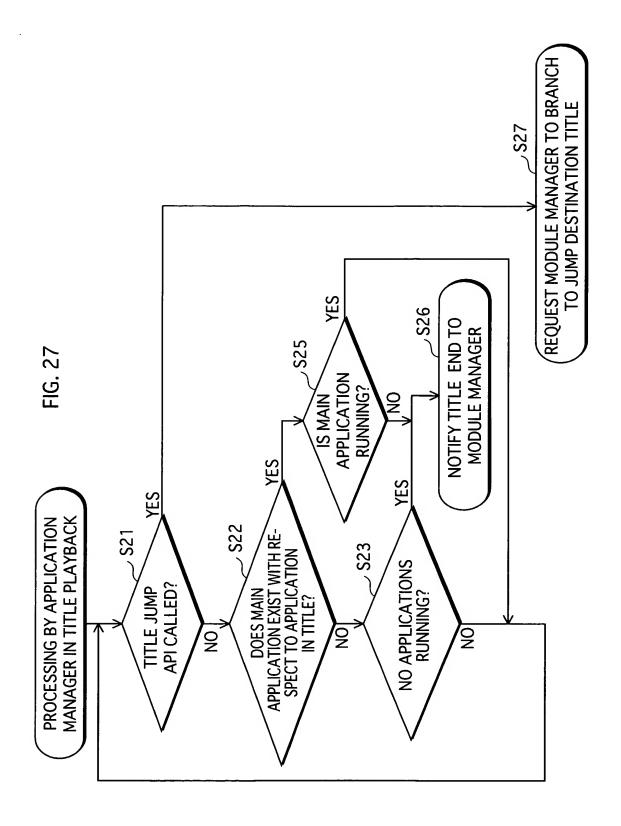
Terminate **Terminate** chapter #4 | chapter #5 | chapter #6 RUN ATTRIBUTE RUN PRIORITY LEVEI 255 128 128 application #3 AutoRun AutoRun AutoRun APPLICATION MANAGEMENT TABLE erminate title #1 TIME AXIS Run application #2 application #3 application ID application #1 chapter #3 application #2 application #1 chapter #2 title #1: chapter #2-#3 title #1: chapter #4-#6 Run LIFE CYCLE chapter #1 title #1 Run FIG. 25A FIG. 25B

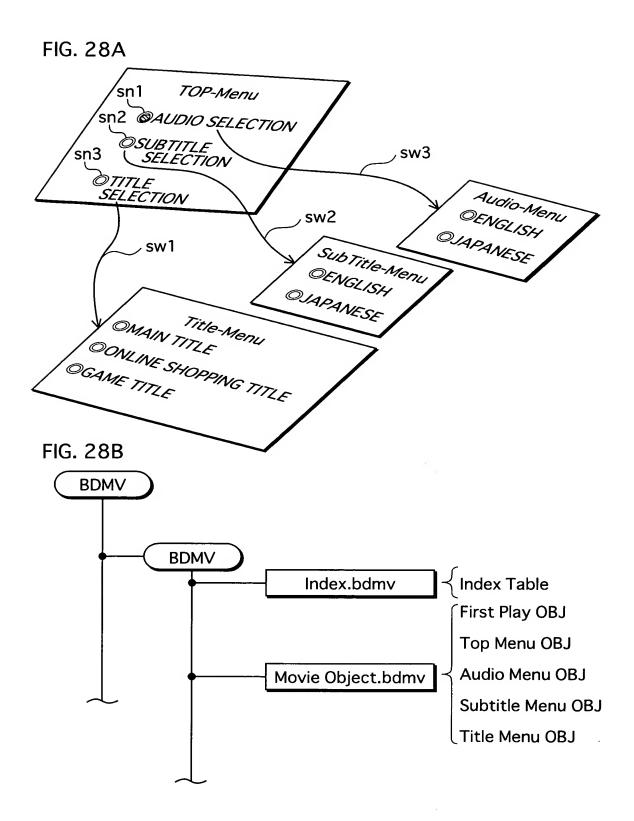
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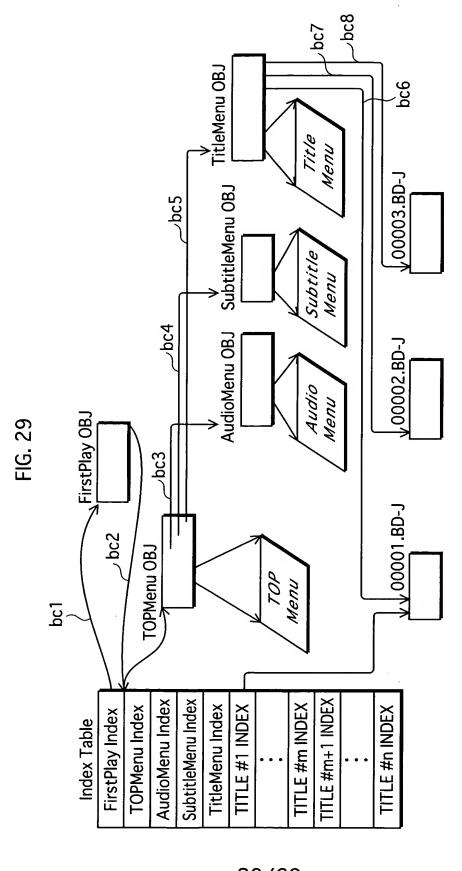












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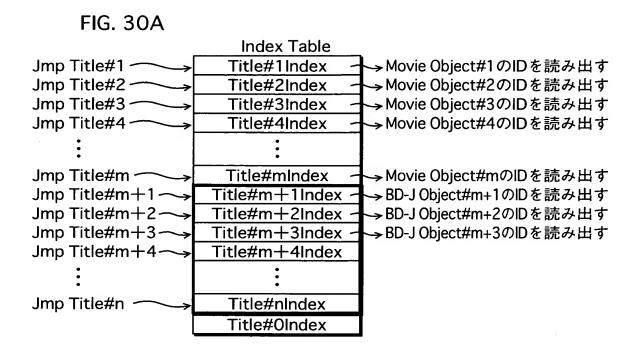
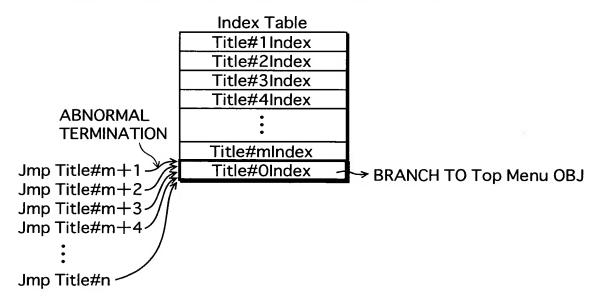
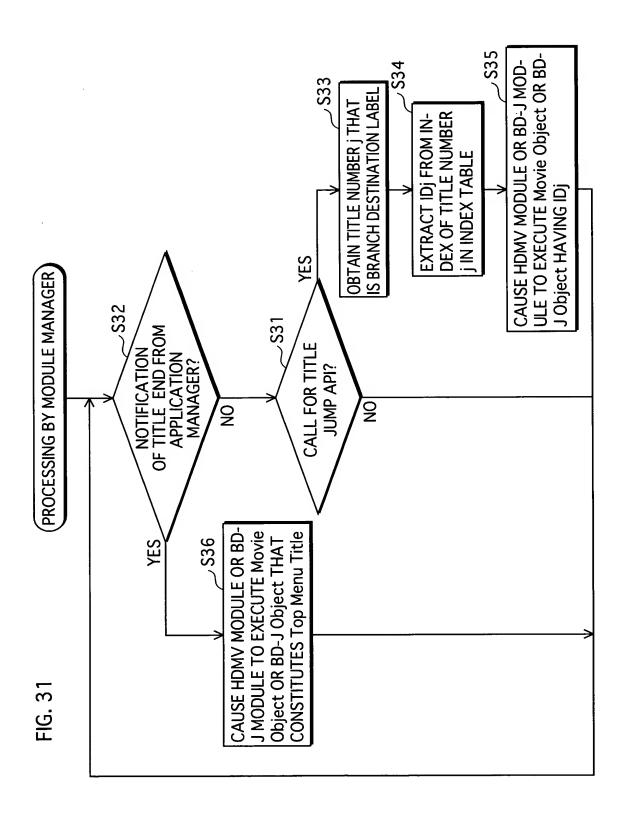
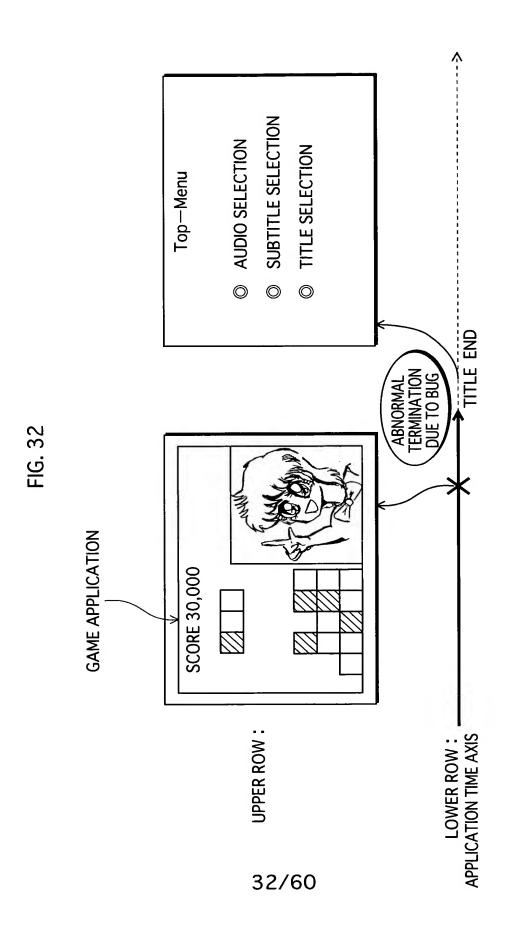
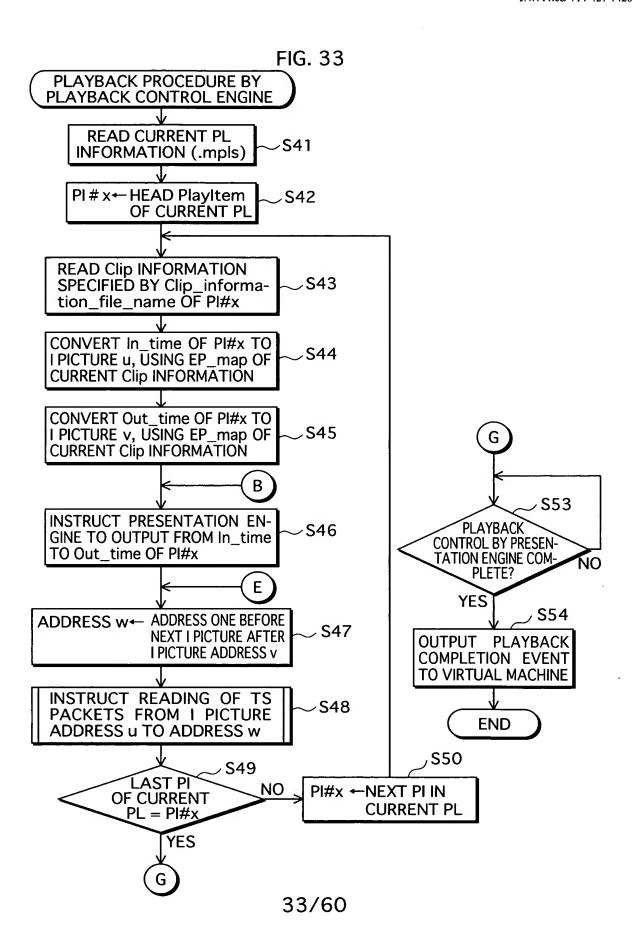


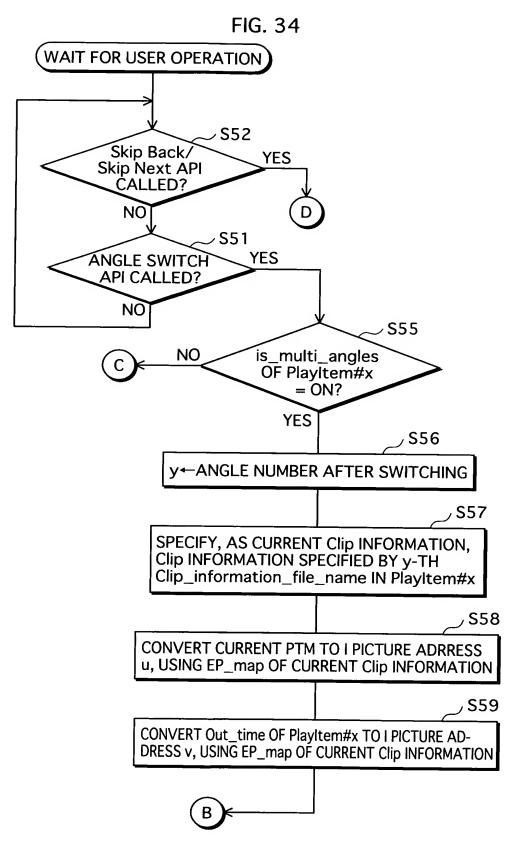
FIG. 30B EXCEPTIONAL PROCESSING IN BD-J OBJECT EXECUTION



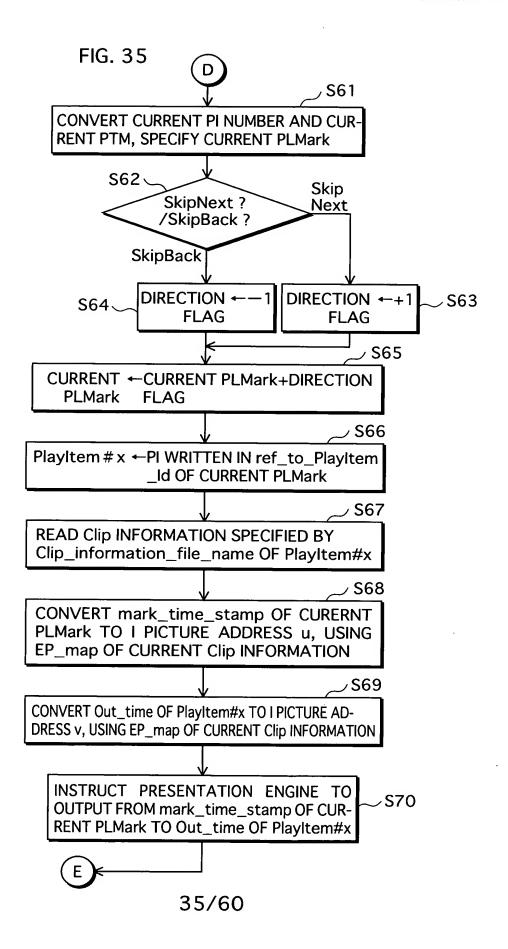








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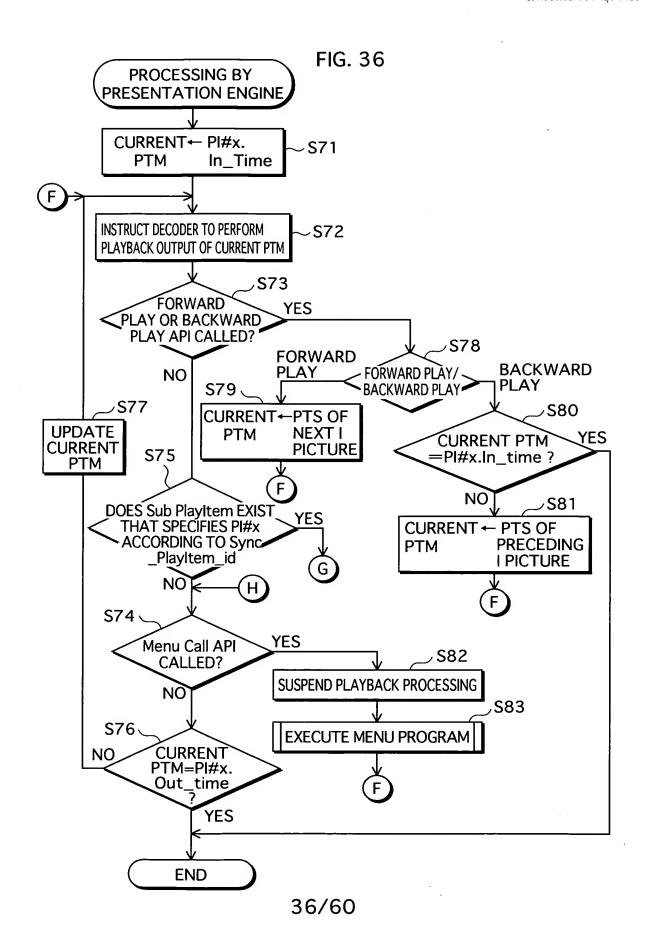
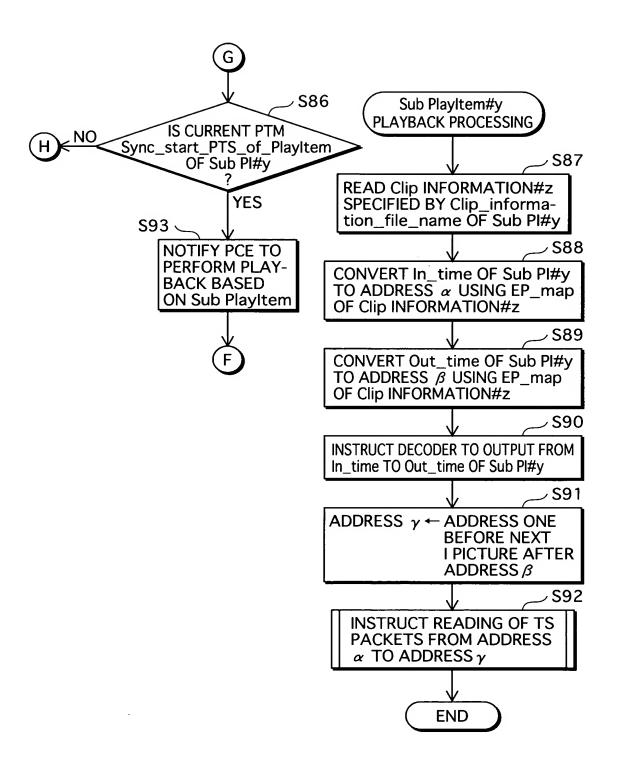


FIG. 37



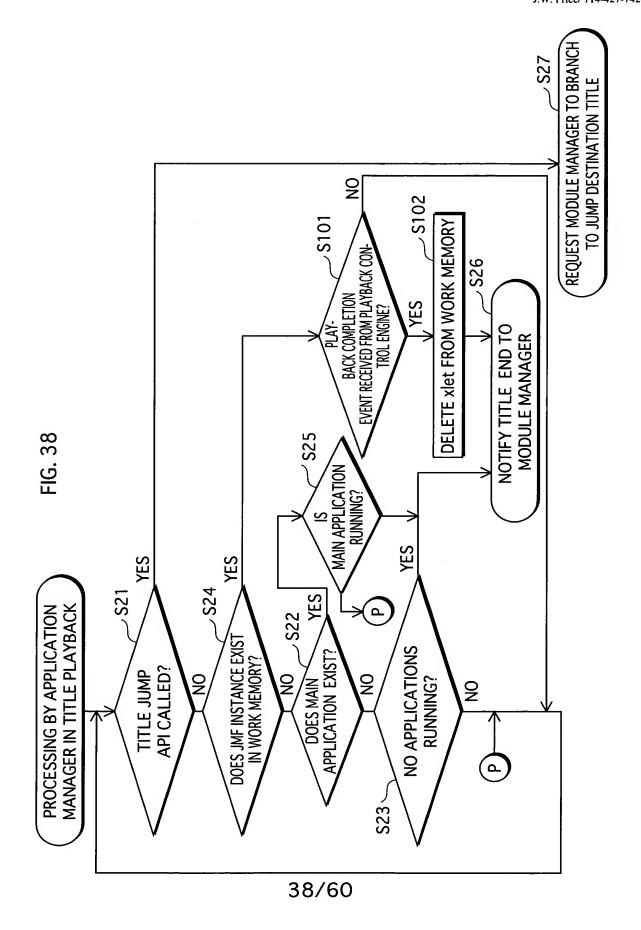
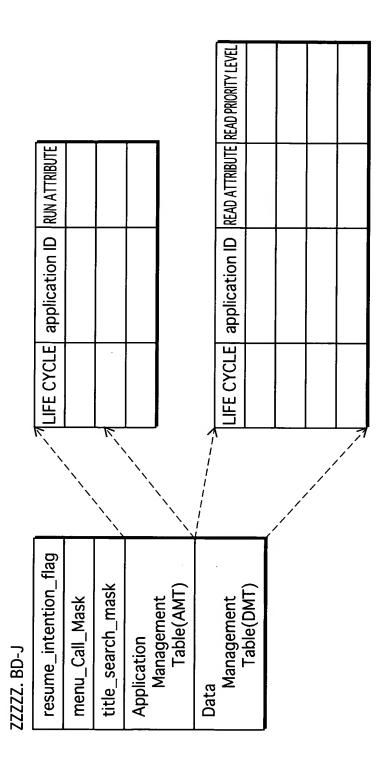
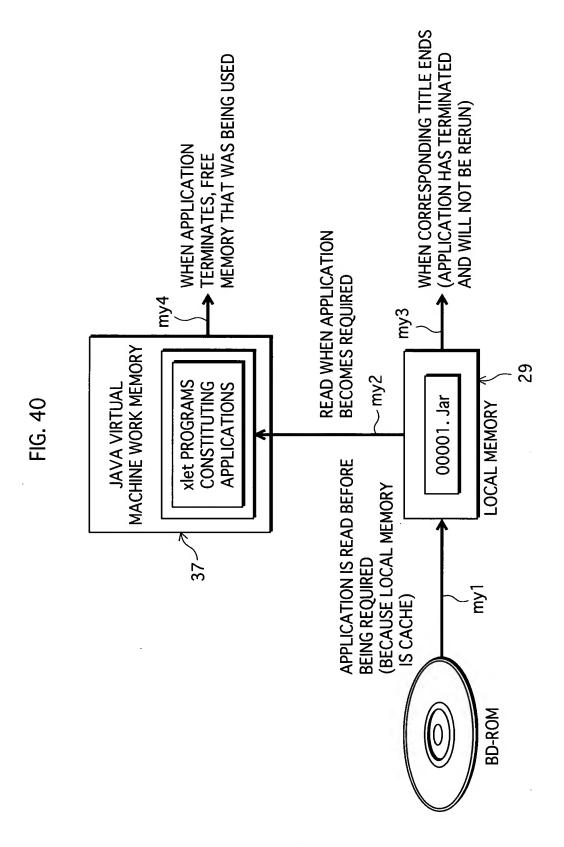


FIG. 39





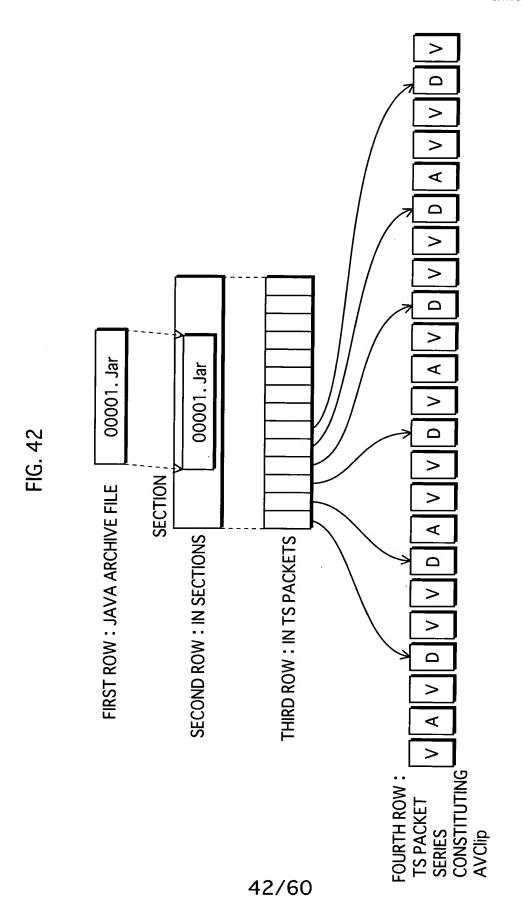
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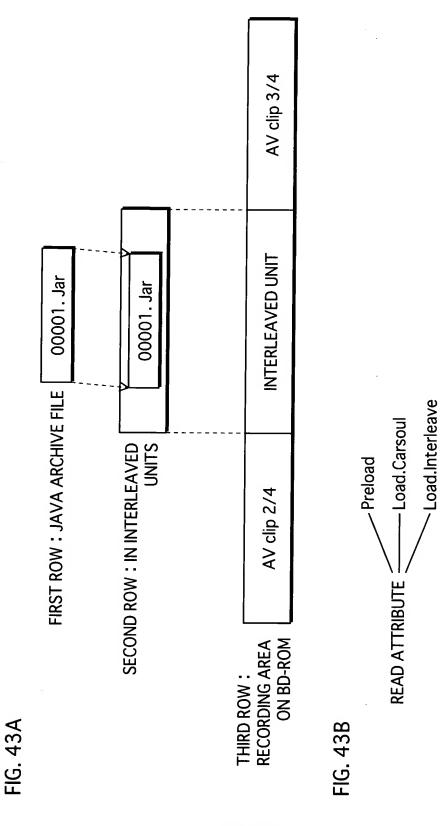
FIG. 41A

title #1 DATA MANAGEMENT TABLE

title #2 DATA MANAGEMENT TABLE

READ ATTRIBUTE READ PRIORITY LEVEL title #3 TIME AXIS application ID Free application #2 Free application #1 title #2 TIME AXIS LIFE CYCLE title#1 title #2 application #3 READ ATTRIBUTE READ PRIORITY LEVEL Read Free title #1 TIME AXIS application ID application #2 application #1 application #2 application #1 LIFE CYCLE FIG. 41B title#1 title #1 Read Read 41/60

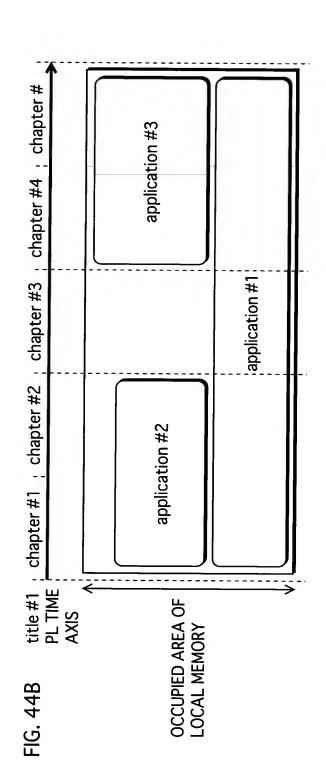




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FIG. 44A title #1 DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	READ ATTRIBUTE	READ ATTRIBUTE READ PRIORITY LEVEL
title #1	application #1	Preload	mandatory
title #1:chapter #1-#2	application #2	Load	optional
title #1:chapter #4-#5	application #3	Load	optional



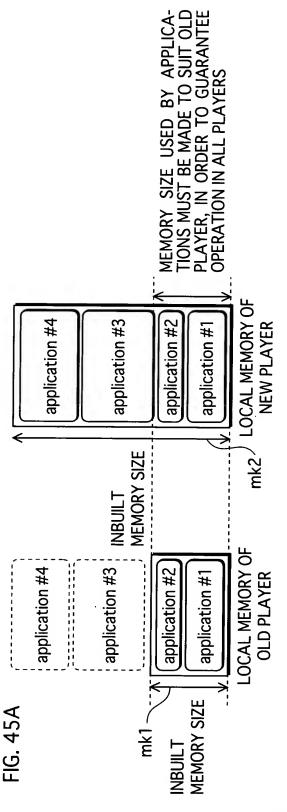


FIG. 45B title #1 DATA MANAGEMENT TABLE

TITLE NUMBER	application ID	READ ATTRIBUTE READ PRIORITY LEVEL	READ PRIORITY LEVEL
title #1	application #1	Preload	mandatory
title #1	application #2	Preload	mandatory
title #1	application #3	Preload	optional
title #1	application #4	Preload	optional

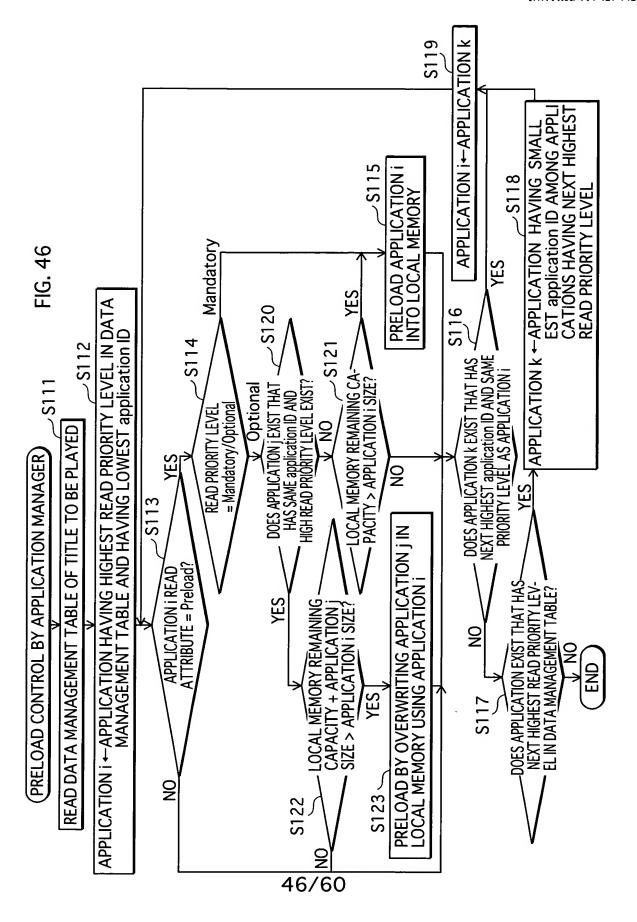
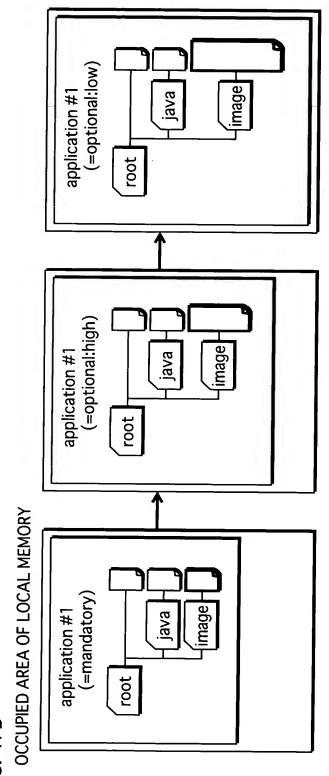


FIG. 47A title #1 DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	READ ATTRIBUTE	READ PRIORITY
title #1	application #1	Preload	mandatory
title #1	application #1	Preload	optional:high
title #1	application #1	Preload	optional:low

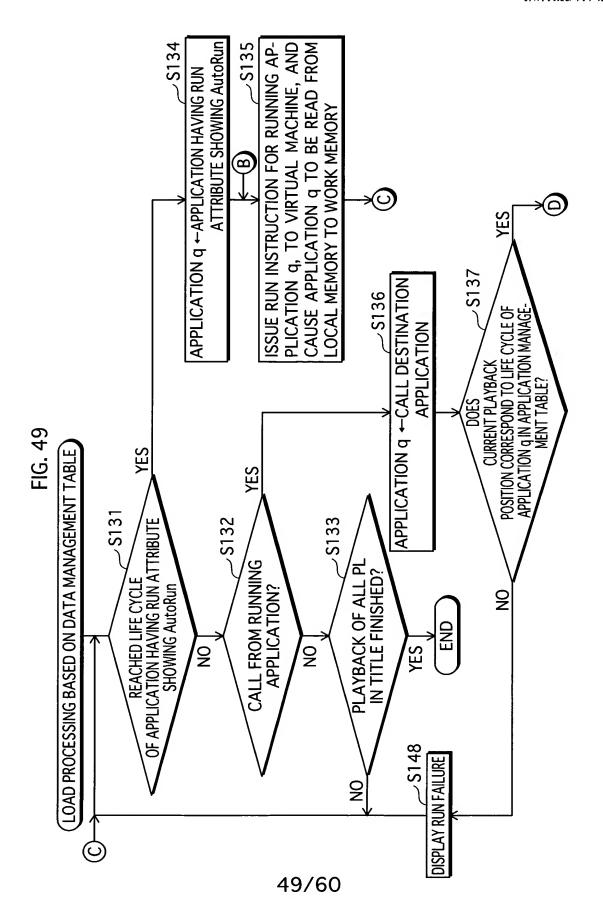
FIG. 47B

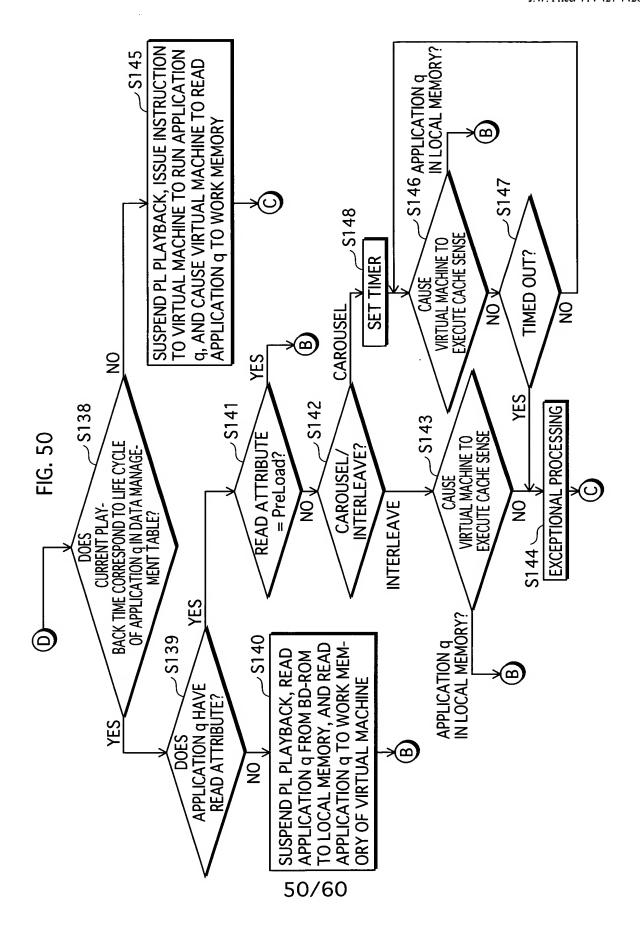


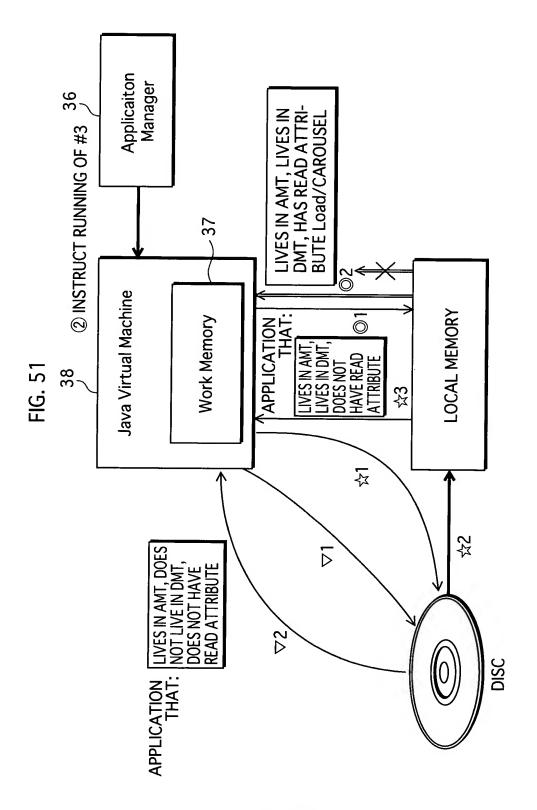
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PL TIME AXIS PL TIME AXIS READ ATTRIBUTE READ PRIORITY LEVEL mandatory mandatory mandatory optional application #3(Load) chapter #2 chapter #3 chapter #4 chapter #5 chapter #2 chapter #3 chapter #4 chapter #5 **Preload Preload** Load Load application #1 (Preload) application #3(Preload) application #1 (Preload) application ID application #2 application #3 application #3 application #1 title #1 DATA MANAGEMENT TABLE application #2(Load) application #2(Load) title #1:chapter #1-#2 title #1:chapter #4-#5 chapter #1 chapter #1 LIFE CYCLE PLAYER IS LARGE MEMORY SIZE OF PLAYER IS SMALL MEMORY SIZE OF title #1 title #1 FIG. 48A FIG. 48B FIG. 48C

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FIG. 52A

ZZZZZ. BD-J

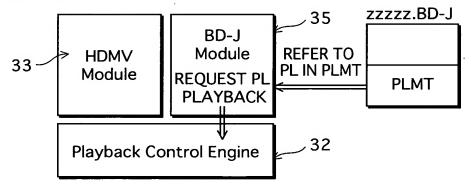
**
resume_intention_flag
menu_Call_Mask
title_search_mask
Application Management Table(AMT)
Data Management Table(DMT)
PlayList Management Table(PLMT)

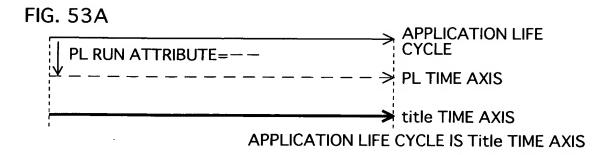
FIG. 52B

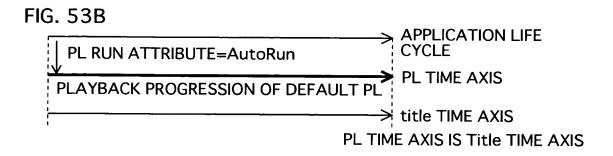
PL MANAGEMENT TABLE

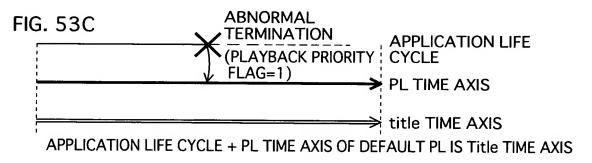
PLAYLIST ID	PLAYBACK ATTRIBUTE
	Auto Play

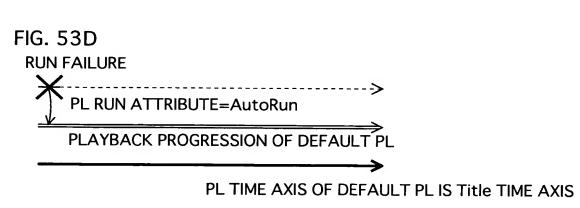
FIG. 52C

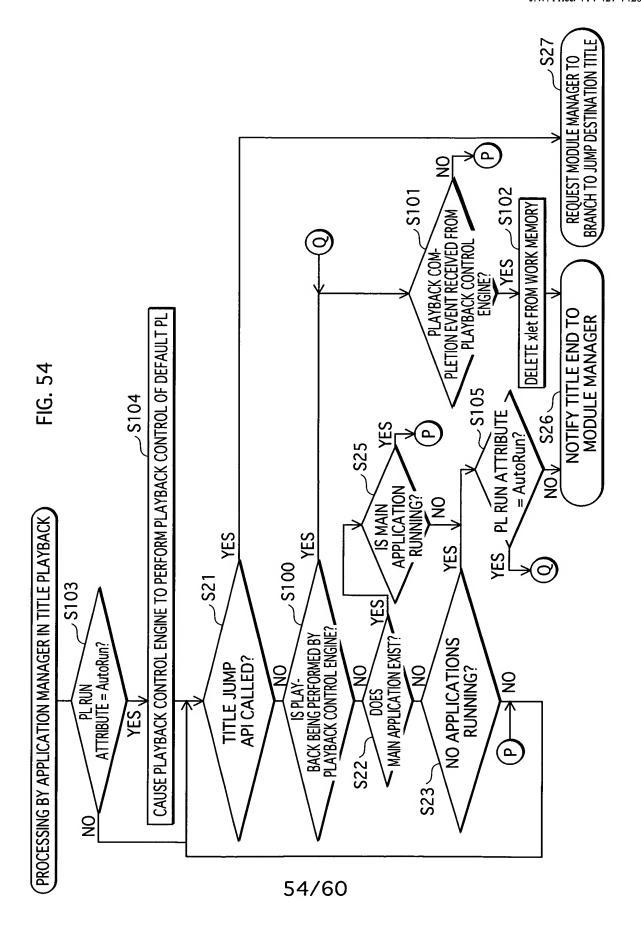












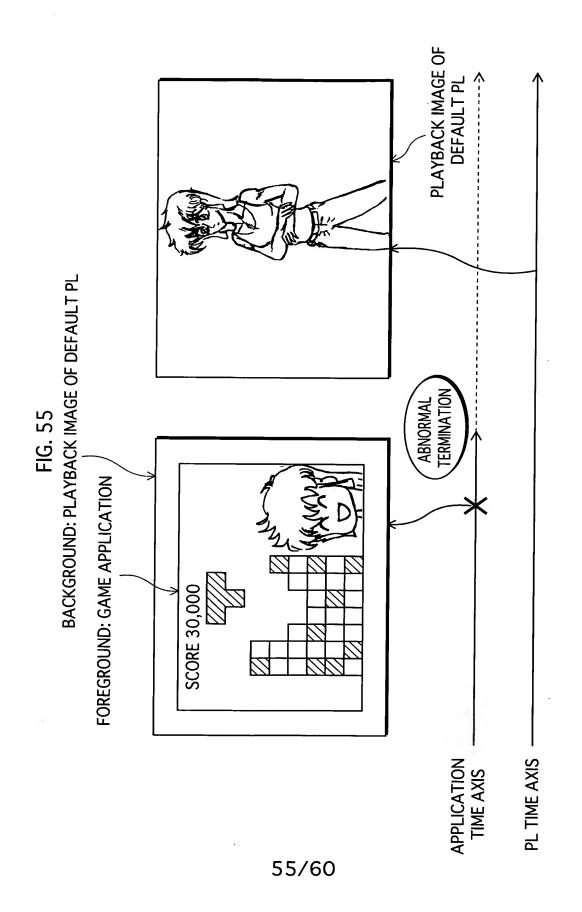


FIG. 56A

APPLICATION AND DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	RUN ATTRIBUTE	RUN ATTRIBUTE READ PRIORITY LEVEL
title #1	application #1	AutoRun	
title #1:chapter #1-#3 application #2	application #2	Ready	
title #1	application #3	-	
title #1:chapter #2-#4	application #4	Ready	

RUN ATTRIBUTE + READ ATTRIBUTE

FIG. 56R

RUN ATTRIBUTE	PRELOAD BEFORE AV AUTO-RUN LOAD TO LOCAL STREAM PLAYBACK /CALL RUN	AUTO-RUN /CALL RUN	LOAD TO LOCAL MEMORY	LIVES /DOES NOT LIVE
AutoRun	0	AUTO	ON	LIVES
AutoRun	×	AUTO	SEX	LIVES
READY	0	CALL	ON	LIVES
READY	×	CALL	SƏA	LIVES
NOT SPECIFIED	×	CALL	ON	LIVES

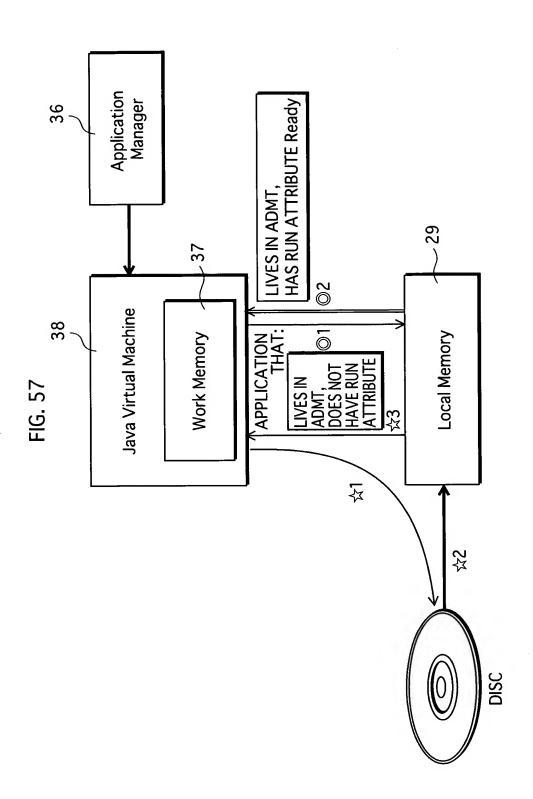


FIG. 58A DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	READ ATTRIBUTE READ PRIORITY LEVEL	READ PRIORITY LEVEL
title #1	application #1	Preload	mandatory
title #1	application #2	Preload	option, 255
title #1	application #3	Preload	option, 128

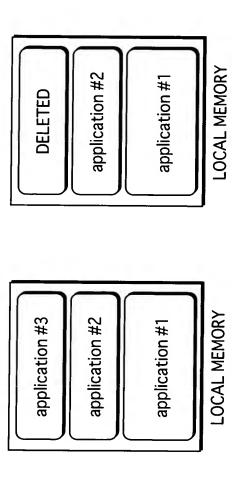
IF FREE CAPACITY OF MEMORY IS INSUFFICIENT, READ ONLY PART OF Option DATA **LOCAL MEMORY** application #3 application #2 application #1 MINIMUM MEMORY SIZE OF PLAYER INBUILT MEMORY SIZE OF PLAYER application #3 **LOCAL MEMORY** application #2 application #1 FIG. 58B

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FIG. 59A DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	LOAD ATTRIBUTE	LOAD ATTRIBUTE READ PRIORITY LEVEL GROUP ATTRIBUTE	GROUP ATTRIBUTE
title #1	application #1		mandatory	
title #1	application #2		optional	group #1
title #1	application #3		optional	group #1

FIG. 59B



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